



**STRUCTURAL SYSTEMS
RESEARCH PROJECT**

Report No.
SSRP-2001/23
FINAL

**SEISMIC RESPONSE OF SACRIFICIAL
SHEAR KEYS IN BRIDGE ABUTMENTS**

by

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PERDO F. SILVA
FRIEDER SEIBLE**

Final Report Submitted to Caltrans under Contract No. 59A0051

May 2002

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DRAFT

Seismic Response of Sacrificial Shear Keys in Bridge Abutments

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